

REMARKS

Claims 1-10 and 24-54 will be pending upon entry of the present amendment. Claims 1, 3, 6-7, 9-10, 24, 28, 30-32, 35-36, and 38 are being amended. Claims 39-54 are new. Claims 1-10 and 24-38 were allowed. No new matter is being submitted.

New claims 39-42 depend on one of the allowed claims 1 and 30, and thus, are in condition for allowance.

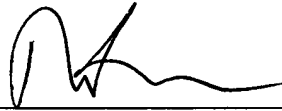
New claims 43-54 are also in condition for allowance. Claim 43 is directed to a memory device that includes a pre-read stage with two switchable resistors having different values of a first difference and a programming circuit structured to program a programmable resistance element by changing its resistance value. As recognized by the Examiner on page 2 of the Notice of Allowability, the prior art fails to teach or suggest such structures. Accordingly, new claims 43-54 are in condition for allowance.

The Director is authorized to charge any additional fees due by way of this Amendment, or credit any overpayment, to our Deposit Account No. 19-1090.

All of the claims remaining in the application are now clearly allowable. Favorable consideration and a Notice of Allowance are earnestly solicited.

Respectfully submitted,

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